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Attorney Docket No.: 2001P12035WOUS

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Certificate

MAR 16 2006

of Correction

Patent No.: 7,007,866 B2

Date of Patent: March 7, 2006

ATTN: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF CORRECTION REQUEST


I hereby certify this request is being faxed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at (571) 273-8300 on the date shown below.

Undersigned counsel has received the US Patent No. 7,007,866, issued March 7, 2006. However, the Assignee shown below was listed incorrectly and should be as follows:

BSH Bosch und Siemens Hausgeraete GmbH, Munich (DE)

It is requested that a Certificate of Correction be issued to reflect the corrected Assignee.

Respectfully submitted,



Craig J. Loest
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March 13, 2006
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Total number of faxed pages is 2, pertinent Patent page(s) requiring correction and cover sheet.

PAGE 1/2 * RCVD AT 3/13/2006 3:57:08 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-1/16 * DNIS:2738300 * CSID: * DURATION (mm:ss):00:58

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(12) **United States Patent**
Fricke

(10) Patent No.: **US 7,007,866 B2**
(45) Date of Patent: **Mar. 7, 2006**

(54) **METERING DEVICE FOR THE
CONVEYANCE OF SMALL SUBSTANCE
QUANTITIES**

(75) Inventor: **Christian Fricke, Berlin (DE)**

(73) Assignee: **BSH Bosch und Siemens Hausgeraete
GmbH, Munich (DE)**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 350 days.

(21) Appl. No.: **10/601,638**

(22) Filed: **Jun. 23, 2003**

(65) **Prior Publication Data**
US 2004/0026327 A1 Feb. 12, 2004

Related U.S. Application Data

(63) Continuation of application No. PCT/EP01/15201,
filed on Dec. 21, 2001.

(30) **Foreign Application Priority Data**
Dec. 22, 2000 (DE) 100 65 855

(51) Int. Cl. **A62C 13/62 (2006.01)**

(52) U.S. Cl. **239/302; 239/102.1; 239/101;
239/102.2; 397/84**

(58) Field of Classification Search **239/34,
239/57, 302, 101, 102.1, 102.2; 347/6, 84,
347/20, 25, 27, 56, 63, 65**

See application file for complete search history.

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(57) **ABSTRACT**

A metering device for the conveyance of small substance quantities out of a reservoir into an application space by a diaphragm micropump that can be used, in particular, for the conveyance of small doses of gases includes the diaphragm micropump conveying an aromatic through a nozzle/diffuser system in fixed doses out of a reservoir first into a pump chamber and subsequently into an application space. As such, by the action of the diaphragm micropump, the volume and pressure of the pump chamber are varied so that aromatic is alternately drawn out of the reservoir into the pump chamber and pressed out of the pump chamber into the application space. In the event of a periodic change in the volume of the pump chamber, a substance located in the reservoir is, thus, conveyed slowly and in predetermined minimal doses into the application space in the course of time.

14 Claims, 2 Drawing Sheets

